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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/839,952	04/19/2001	Naoko Iwami	36992.00072	4508
30256	590 12/02/2005	EXAMINER		
SQUIRE, SA 600 HANSEN	NDERS & DEMPSE	NAWAZ, ASAD M		
PALO ALTO, CA 94304-1043			ART UNIT	PAPER NUMBER
	•		2155	• •

DATE MAILED: 12/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summer		Applicati	Application No. Applicant(s)					
		09/839,9	52	IWAMI, NAOKO				
	Office Action Summary	Examine	r	Art Unit				
		Asad M. I	· -	2155				
Period fo	The MAILING DATE of this communication or Reply	appears on th	e cover sheet with the	correspondence ac	idress			
WHIC - External after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR RECHEVER IS LONGER, FROM THE MAILING asions of time may be available under the provisions of 37 CFI SIX (6) MONTHS from the mailing date of this communication of period for reply is specified above, the maximum statutory pere to reply within the set or extended period for reply will, by strepty received by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b).	G DATE OF TI R 1.136(a). In no ev n. riod will apply and w latute, cause the app	HIS COMMUNICATIO ent, however, may a reply be tin ill expire SIX (6) MONTHS from dication to become ABANDONE	N. mely filed the mailing date of this of the Country (35 U.S.C. § 133).				
Status	•							
1)[🛛	Responsive to communication(s) filed on 0	18 Sentember	2005					
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-,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims	•	• , ,					
4)⊠	4)⊠ Claim(s) <u>1,2,4-6,8-13,16-21,24-29 and 32-34</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
· —	☑ Claim(s) is/dre diferred. ☑ Claim(s) <u>1,2,4-6,8-13,16-21,24-29 and 32-34</u> is/are rejected.							
7)								
8)[]	Claim(s) are subject to restriction ar	nd/or election r	equirement.					
Applicati	ion Papers							
	The specification is objected to by the Exan	niner						
•			nbjected to by the	Examiner				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
			•	, ,	FR 1 121(d)			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
	under 35 U.S.C. § 119							
12)[7	Acknowledgment is made of a claim for fore	eian priority un	der 35 IJ S.C. & 119/a	n)-(d) or (f)				
-	☐ All b)☐ Some * c)☐ None of:		20. 00 0.0.0. 3 7 70(2	, (4) 5. (1).				
,.	1. Certified copies of the priority docum	nents have bee	n received.					
	Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the		* •		Stage			
	application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.								
Attachmen	t(s)							
	e of References Cited (PTO-892)		4) Interview Summary					
	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB		Paper No(s)/Mail D 5) Notice of Informal F		O-152)			
	r No(s)/Mail Date	100)	6) Other:	Storit Application (FT)	O-102)			

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1. This action is responsive to the Request for Continued Examination filed on 9/08/05. Claims 1-2, 4-6, 8-13, 16-21, 24-29, and 32-34 are pending.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-2, 4-6, 8-13, 16-21, 24-29, and 32-34 are rejected under 35 U.S.C. 102(e) as being taught by Yoshida et al (USPN: 6622220) hereinafter referred to as Yoshida.

As to claim 1, Yoshida teaches a storage apparatus comprising a gateway having a processor, a memory, a vpn program, a view table, and at least one port operative to connect to a vpn, said view table including authorized user address, virtual destination addresses corresponding to said user addresses, destination addresses corresponding to said virtual volume Ids corresponding to said user addresses, and volume Ids corresponding to said virtual volume Ids (Fig 1, col 6, lines 27-45), a plurality of devices that store information, each of said devices further comprising at least one volume, server, switch, and an internal network connection said

gateway, server, switch, and one of said plurality of devices that store information (fig 1; col 5, line 39 to col 6, line 7) wherein said gateway receives a data packet for storing, retrieves a virtual destination address and a user address from said data packet, confirms that the user address retrieved corresponds to an authorized user address in the view table, uses the view table to confirm that the cirtual destination address corresponds to the user address, reads from the view table a corresponding destination address for a particular one of said plurality of devices that store information, and thereupon replaces in said data packet said virtual destination address with said corresponding destination address from said view table (col 5, line 39 to col 6 line 35; Fig 1, numerals 110, 115, 120, 130, 135, and 140), wherein said gateway searches in said data packet for vpn volume id and if found, thereupon confirms that the vpn volume id corresponds to the user address, reads from said view table a volume id corresponding to said vpn volume id and replaces vpn volume id in said data packet with said volume id (figs 2A and 2B; col 4, line 52 to col 5, line 36).

As to claim 2, Yoshida teaches the apparatus of claim 1, wherein said gateway authenticates a source of said data packet based upon a user address in said data packet (col 3, lines 56 to col 4, line 23).

As to claim 4, Yoshida teaches the apparatus of claim 1, wherein said virtual private network uses a first protocol and said internal network uses a second protocol, and wherein said gateway translates said data packet from said first protocol to said second protocol (copl 1, lines 23-40).

As to claim 5, Yoshida teaches the apparatus of claim 4, wherein said first protocol comprises at least one of IP protocol, ATM, and Fibre channel (col 2, lines 60-66).

As to claim 6, Yoshida teaches the apparatus of claim 4, wherein said second protocol comprises at least one of IP protocol, ATM, and Fibre channel (col 2, lines 60-66).

As to claim 8, Yoshida teaches the apparatus of claim 1, wherein said gateway receives a data packet being sent to said virtual private network, and thereupon searches in said view table for a destination address retrieved from said data packet, and thereupon reads from said view table a corresponding virtual destination address, and thereupon replaces in said data packet said destination address with said corresponding virtual destination address from said view table (col 6, lines 45-63).

As to claim 9, Yoshida teaches the apparatus of claim 1 wherein said virtual destination address and said destination address are stored in a table (col 6, lines 45-63)

Claims 10-13, 16-21, 24-29, and 32-34 contain similar limitations as the abovementioned apparatus claims and are thus rejected under similar rationale.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Asad M. Nawaz whose telephone number is (571) 272-3988. The examiner can normally be reached on M-F 8-4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AMN

SALEH NAJJAR SUPERVISORY PATENT EXAMINER